Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/01/2022 09:49 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125090	0	1.24	124987	1.24
Blue	F	SSC	125000	125014	0	2.43	125448	2.30
Blue	E	FITC	13602	13134	-4	2.37	368	13.79
Blue	D	PE	24891	24600	-2	1.82	584	10.15
Blue	B	PerCP-Cy5-5	33972	33086	-3	3.07	948	14.96
Blue	A	PE-Cy7	22865	22727	-1	5.06	472	30.46
Red	C	APC	47198	46708	-2	2.90	1606	11.28
Red	A	APC-Cy7	26454	25702	-3	3.43	729	12.05
Violet	B	V450	6737	6411	-5	3.60	450	11.08
Violet	A	V500	29317	27901	-5	3.14	953	8.17

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24313	2.38	537	2	N/A	N/A	Pass
Blue	F	SSC	56163	1.98	520	-1	N/A	N/A	Pass
Blue	E	FITC	55	53.22	487	3	0.0393	44	Pass
Blue	D	PE	114	37.07	491	5	0.4318	285	Pass
Blue	B	PerCP-Cy5-5	149	40.95	583	4	0.0195	55	Pass
Blue	A	PE-Cy7	78	83.56	627	6	0.0230	14	Pass
Red	C	APC	337	26.04	574	2	0.0307	276	Pass
Red	A	APC-Cy7	135	34.42	551	0	0.0069	1504	Pass
Violet	B	V450	77	45.62	451	1	0.0630	2451	Pass
Violet	A	V500	112	29.91	470	1	0.0267	758	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.71	-31.46	0.99
Blue	20.34	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	15.11	13.90 - 20.86	N/A	N/A	29.81	30.12	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 13832

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments